

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/039582

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65H37/00 B65D83/08 B65H1/04 B65H3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 42 05 805 A1 (FRIEDRICH SANNER GMBH & CO KG SPRITZGUSSWERK) 2 September 1993 (1993-09-02) the whole document	1,6
A	US 6 578 732 B1 (MABRY, HELLEN) 17 June 2003 (2003-06-17) the whole document	1,6
A	US 4 832 229 A (HACKMANN ET AL) 23 May 1989 (1989-05-23) column 1, line 6 - column 4, line 10; figures	7-11
A	US 6 268 032 B1 (MERTENS TIMOTHY A ET AL) 31 July 2001 (2001-07-31) column 17, line 6 - line 45; figures 20,21	7,8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search

6 April 2005

Date of mailing of the international search report

18/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 299 018 B1 (KIMBRELL, KIMBERLY L) 9 October 2001 (2001-10-09) the whole document</p> <p>-----</p>	7,8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4205805	A1	02-09-1993	NONE	
US 6578732	B1	17-06-2003	NONE	
US 4832229	A	23-05-1989	DE 3523173 A1 AT 45928 T DE 3665293 D1 EP 0206185 A2	08-01-1987 15-09-1989 05-10-1989 30-12-1986
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